ELSEVIER
ADVANCED
TECHNOLOGY

Technovation, 16(10) (1996) 611–619
Elsevier Science Ltd. Printed in Great Britain
0166-4972/96 $15.00 + 0.00

Contents of Volume 16, 1996

Number 1 January 1996

REFEREED PAPERS

Information, technology and culture. An ethnography of information technology and modernist business organization
Charles Jean-Noel Despres (Lausanne, Switzerland) 1

Strategic HRM: The implications for pharmaceutical R&D
Oswald Jones (Birmingham, UK) 21

Manufacturing excellence for 21st century production
Katsundo Hitomi (Kyoto, Japan) 33

INDUSTRIAL VIEWPOINT

Just around the corner
W. Ed McMullan (Calgary, Alberta, Canada) 43

Number 2 February 1996

REFEREED PAPERS

Technology transfer between basic research and industry
Ari-Pekka Hameri (Espoo, Finland) 51

Government support for R&D: The Spanish case
Esteban Fernández, Beatriz Junquera and Camilo J. Vázquez (Oviedo, Spain) 59

Artificial neural networks for supporting production planning and control
Hans Corsten and Constantin May (Germany) 67

Managerial implications of flexible manufacturing for small/medium-sized enterprises
Mahesh Gupta and Garret Cawthon (Louisville, USA) 77

INDUSTRIAL VIEWPOINT

Indigenous development and acquisition of technology: an Indian perspective
Pawan Sikka (New Delhi, India) 85

Number 3 March 1996

REFEREED PAPERS

Implementing strategic change: a survey of British and German workers
Rebecca Harding (Brighton, U.K.) 101

The role of creativity within best practice manufacturing
David J. Hall (Maldon, UK) 115

An analysis of cooperative R&D in the United States
Yukio Miyata (Osaka-fu, Japan) 123

Product development and price trends for fiber optic components
G. Kent Webb (San Jose, USA) 133

Towards the maturity stage: an insight into the performance of French technopoles
Isidre March Chordà (València, Spain) 143

Number 4 April 1996

REFEREED PAPERS

The relationship between an entrepreneur's background and performance in a new venture
Hyungrae Jo and Jinjoo Lee (South Korea) 161

Human factors and the innovation process
Howard C. Livesay, David S. Lux and Marilyn A. Brown (USA) 173

Stimulation of technology-based small firms — a case study of university–industry cooperation
Magnus Klofsten (Linköping, Sweden) and Dylan Jones-Evans (Dublin, Ireland) 187

Technology strategy and corporate planning in Australian high-value-added manufacturing firms
Neal Ryan (Brisbane, Australia) 195

Industry–academic relations: an assessment of the linkages between a university and some enterprises in Nigeria
J.O. Oyebisi, N.O. Ilori and M.L. Nassar (Ile-Ife, Nigeria) 203

Number 5 May 1996

EDITORIAL

A look at Aston Science Park
Ian Guy 217

REFEREED PAPERS

National systems of innovation, organizational learning and industrial biotechnology
Jacqueline Senker (Brighton, UK) 219

Strategies and performance of Canadian biotechnology firms: an empirical investigation
Jaana Woiceshyn and Diana Hartel (Canada) 231

Sweden's technological profile. What can R&D and patents tell and what do they fail to tell us?
Staffan Jacobsson and Joakim Philipson (Göteborg, Sweden) 245

Product design as a means of integrating differentiation
Sudi Sharifi (Birmingham, UK) and Kulwant S. Pawar (Nottingham, UK) 255

Number 6 June 1996

EDITORIAL

New ventures on an ancient campus
Ian Guy 269

INDUSTRIAL VIEWPOINT

Different factors considered in project selection at public and private R&D institutes
Mushin Lee and Kiyong Om (Taejon, South Korea) 271

REFEREED PAPERS

International technology transfer examined at technology component level: a case study in China
Ping Lan and Stephen Young (Glasgow, UK) 277

A new approach to the identification and selection of international technology transfer modes: logical framework and empirical evidence
Daniela Venanzi (Macerata, Italy) 287

Understanding the process of knowledge transfer to achieve successful technological innovation
Myrna Gilbert and Martyn Cordey-Hayes (Cranfield, UK) 301

Number 7 July 1996

INDUSTRIAL VIEWPOINT

Barriers to international trade between Iran and Australia
Ardeshir Abolfazle Tajzadeh-Namin, Ebrahim Shayan and Murray Gillin (Melbourne, Australia) 317

REFEREED PAPERS

Decisions on innovation and diffusion and the limits of deregulation
Heinz Hübner (Kassel, Germany) 327

New indicators for measuring the manifold aspects of technical and economic efficiency of production processes and technologies
Giancarlo Barbiroli (Bologna, Italy) 341

Technological dependence in Africa: its nature, causes, consequences and policy derivatives
J. A. Fabayo (Ile-Ife, Nigeria) 357

Number 8 August 1996

REFEREED PAPERS

Assessing AMT implementations: an empirical field study
Amrik S. Sohal (Caulfield East, Australia) 377

The manufacturing mix
D. Roy Snaddon (Witwatersrand, South Africa) 385

The balancing of empowerment. A strategic resource based model of organizing innovation activities in service and low-tech firms
Jon Sundbo (Roskilde, Denmark) 397

Science policy vs. technology policy
Borisz Szántó (Budapest, Hungary) 411

Action research for international information technology transfer: a methodology and a network model
Ann C. Séror (Ste.-Foy, Québec, Canada) 421

The role of predevelopment activities and firm attributes in new product success
Steven A. Murphy and Vinod Kumar (Ottawa, Ontario, Canada) 431

Number 9 September 1996

REFEREED PAPERS

Measuring technological change through patents and innovation surveys
Daniele Archibugi and Mario Pianta (Rome, Italy) 451

The indirect economic effects of Ecopetrol's contracting strategy for informatics development
Alberto Garcia, Fernand Amesse and Mario Silva (Colombia and Canada) 469

Technical entrepreneurship, strategic awareness and corporate transformation in small high-tech firms
M.M.J. Berry (Glasgow, Scotland) 487

Venture capital for financing technology in Taiwan
I.M. Pandey and Angela Jang (Thailand) 499

INDUSTRIAL VIEWPOINT

An entrepreneurial tragi-comedy: exploring the dark side of venturing
W. Ed. McMullan (Calgary, Canada) 515

Volume 16 Number 10 October 1996

REFEREED PAPERS

Using basic research as a catalyst to exploit new technology-based innovations—a case study
Ari-Pekka Hameri and Olli Vuola (Espoo, Finland) 531

User groups in action: the management of user inputs in the NPD process
Anne Tomes, Peter Armstrong and Murray Clark (Sheffield, UK) 541

Environment and technology strategy of firms in government R&D programmes in Korea
Hyun-Dae Cho, Jae-Keun Lee and Kony-Kyun Ro (South Korea) 553

Technological capability assessment of a firm in the electricity sector
H. Panda and K. Ramanathan (Bangkok, Thailand) 561

Operations effectiveness for a successful implementation of CIM
Mahesh Gupta (Louisville, USA) 589

INDUSTRIAL VIEWPOINT

New methods of evaluating physical demand at work areas
Luis Navarro Elola, Ana Clara Pastor Tejedor and Leonor González Menorca (Spain) 595

Book Reviews

New Technology-Based Firms in the 1990s, by R. Oakey (ed.)
Reviewed by Paul Gardiner 97

European Casebook on: Competing through Information Technology — Strategy and Implementation, by Tawfik Jelassi
Reviewed by Lew Perren 98

Mastering the Dynamics of Innovation, by James M. Utterback
Reviewed by John Bessant 99

Managing Change in the Workplace—New Approaches to Employee Relations, by Alan Cave
Reviewed by John A. Gilbert 99

Recent essentials in innovation management and research, by Heinz Hübner and Torsten Dunkel (eds.)
Reviewed by G. Hayward 159

The Challenger Launch Decision. Risky Technology, Culture, and Deviance at NASA, by Diane Vaughan
Reviewed by A.L. Minkes 525

Oxford Reference Shelf on CD-ROM
Reviewed by Nick Butler 609